

How To Increase Low Platelets Count

== Signs and symptoms == 8571130aaa

Von Willebrand disease It is the most common hereditary coagulopathy in humans, affecting 1% of the population. An acquired form of VWD can sometimes result from other medical conditions. Those that do usually have bleeding of varying intensity, including repeated bruising and nosebleeds. Most people with VWD have no symptoms. binding, the platelets become activated and irregularly shaped which attracts more platelets to the area of vascular damage to form a platelet plug in the Von Willebrand disease (VWD) is a type of blood-clotting disorder 8571130aaa

NAIT occurs in somewhere between 1/800 and 1/5000 live births. More recent studies of NAIT seem to indicate that it occurs in around 1/600 live births in the Caucasian population... 8571130aaa

Gestational thrombocytopenia platelet count is due to the decreased production of platelets and/or increased destruction of platelets. Generally, there is a decrease in platelet count Gestational (incidental) thrombocytopenia is a condition that commonly affects pregnant women. Thrombocytopenia is defined as the drop in platelet count from the normal range of 150,000–400,000/ μ L to a count lower than 150,000/ μ L. Some researchers speculate the cause to be dependent on dilution, decreased production of platelets, or an increased turnover event. There is still ongoing research to determine the reason for the lowering of platelet count in women with a normal pregnancy. Although women with normal pregnancy experience a low platelet count, women experiencing a continuous drop in platelet will be diagnosed with thrombocytopenia and women with levels greater than 70,000/ μ L will be diagnosed with gestational thrombocytopenia 8571130aaa

The cause is unknown. The condition occurs in association with pre-eclampsia or eclampsia. Other risk factors include previously having the syndrome and a mother older than 25 years. The underlying mechanism may involve abnormal placental development. Diagnosis is generally based on blood tests finding signs of red blood cell breakdown (lactate dehydrogenase greater than 600 U/L), an aspartate transaminase greater than 70 U/L, and platelets less than $100 \times 10^9/l$. If not all the criteria are present, the condition is incomplete. 8571130aaa VWD arises from a deficiency in

the quality or quantity of von Willebrand factor (VWF), a protein required for platelet adhesion through the binding to other proteins, particularly factor VIII. The disease is known to affect several breeds of dogs as well as humans. Four types of hereditary VWD have been described, including platelet-type VWD, with VWD type 1 being the most common. Types 1 and 2 are inherited through an autosomal dominant pattern, meaning at least one parent must also have the disease. 8571130aaa

Immune thrombocytopenic purpura Depending on which age group is affected, ITP causes two distinct clinical syndromes: an acute form observed in children and a chronic form in adults. ITP often results in an increased risk of bleeding from mucosal surfaces. Immune thrombocytopenic purpura (ITP), also known as idiopathic thrombocytopenic purpura or immune thrombocytopenia, is an autoimmune primary disorder of hemostasis characterized by a low platelet count in the absence of other causes. Nevertheless, the pathogenesis of ITP is similar in both syndromes involving antibodies against various platelet surface antigens such as glycoproteins. Acute ITP often follows a viral infection and is typically self-limited (resolving within two months), while the more chronic form (persisting for longer than six months) does not yet have a specific identified cause. of hemostasis characterized by a low platelet count in the absence of other causes. ITP often results in an increased risk of bleeding from mucosal surfaces (such as the nose or gums) or the skin (causing purpura and bruises) 8571130aaa

Diagnosis of ITP involves identifying a low platelet count through a complete blood count, a common blood test. However, since the diagnosis relies on excluding other potential causes of a low platelet count, additional investigations, such as a bone marrow biopsy, may be necessary in certain cases... 8571130aaa **Treatment** generally involves delivering the baby as soon as possible. This is particularly true if the pregnancy is beyond 34 weeks of gestation. Medications may be used to decrease blood pressure and blood... 8571130aaa **Risk factors** include previous chemotherapy or radiation therapy, exposure to certain chemicals such as tobacco smoke, pesticides, and benzene, and exposure to heavy metals such as mercury or lead. Problems with blood cell formation result in some combination of low red blood cell, platelet, and white blood cell counts. Some types of MDS cause an increase in the production of immature blood cells (called blasts), in the bone marrow or blood. The different types of MDS are identified based on the specific characteristics of the changes in the blood cells and bone marrow. 8571130aaa

Neonatal alloimmune thrombocytopenia A low platelet count increases the risk Neonatal alloimmune thrombocytopenia (NAITP, NAIT, NATP or NAT) is a disease that affects babies in which the platelet count is

decreased because the mother's immune system attacks her fetus' or newborn's platelets. If the bleeding occurs in the brain, there may be long-term effects. A low platelet count increases the risk of bleeding in the fetus and newborn, which the platelet count is decreased because the mother's immune system attacks her fetus' or newborn's platelets 8571130aaa

Myelodysplastic syndrome Later symptoms may include fatigue, shortness of breath, bleeding disorders, anemia, or frequent infections. Early on, no symptoms are typically seen. Some types may develop into acute myeloid leukemia. Some types of MDS cause an increase in the production of immature A myelodysplastic syndrome (MDS) is one of a group of cancers in which blood cells in the bone marrow do not mature, and as a result, do not develop into healthy blood cells. result in some combination of low red blood cell, platelet, and white blood cell counts 8571130aaa

Wiskott-Aldrich syndrome defective platelets are thought to be removed from circulation by the spleen and/or liver, leading to low platelet counts. It is also sometimes called the eczema-thrombocytopenia-immunodeficiency syndrome in keeping with Aldrich's original description in 1954. The WAS-related disorders of X-linked thrombocytopenia (XLT) and X-linked congenital neutropenia (XLN) may present with similar but less severe symptoms and are caused by mutations of the same gene. WAS patients have increased susceptibility Wiskott-Aldrich syndrome (WAS) is a rare X-linked recessive disease characterized by eczema, thrombocytopenia (low platelet count), immune deficiency, and bloody diarrhea (secondary to the thrombocytopenia) 8571130aaa

== Signs and symptoms... == 8571130aaa A normal human platelet count ranges from 150,000 to 450,000 platelets/microliter (µL) of blood. Values outside this range do not necessarily indicate disease. One common definition of thrombocytopenia requiring emergency treatment is a platelet count below 50,000/µL. Thrombocytopenia can be contrasted with the conditions associated with an abnormally high level of platelets in the blood - thrombocythemia (when the cause is unknown), and thrombocytosis (when the cause is known). 8571130aaa

HELLP syndrome Symptoms may include feeling tired, retaining fluid, headache, nausea, upper right abdominal pain, blurry vision, nosebleeds, and seizures. It usually begins during the last three months of pregnancy or shortly HELLP syndrome is a complication of pregnancy; the acronym stands for hemolysis, elevated liver enzymes, and low platelet count. pregnancy; the acronym stands for hemolysis, elevated liver enzymes, and low platelet count. It usually begins during the last three months of pregnancy or shortly after childbirth. Complications may include disseminated intravascular coagulation, placental abruption, and kidney failure 8571130aaa

Platelet antigens are inherited from both mother and father. NAIT is caused by antibodies specific for platelet antigens inherited from the father but which are absent in the mother. Fetomaternal transfusions (or fetomaternal hemorrhage) results in the recognition of these antigens by the mother's immune system as non-self, with the subsequent generation of allo-reactive antibodies which cross the placenta. NAIT, hence, is caused by transplacental passage of maternal platelet-specific alloantibody and rarely human leukocyte antigen (HLA) allo-antibodies (which are expressed by platelets) to fetuses whose platelets express the corresponding antigens. 8571130aaa The CBC is often carried out as part of a medical assessment and can be used to monitor health or diagnose diseases. The results are interpreted by comparing them to reference ranges, which vary with sex and age. Conditions like anemia and thrombocytopenia are defined by abnormal complete blood count results. The red blood cell indices can provide information about the cause of a person's anemia such as iron deficiency and vitamin B12 deficiency, and the results of the white blood cell differential can help to diagnose viral, bacterial and parasitic infections and blood disorders like leukaemia...

8571130aaa Treatments may include supportive care, drug therapy, and hematopoietic stem cell transplantation. Supportive care may include blood transfusions, medications to increase the making of red blood cells, and antibiotics. Drug therapy may include the... 8571130aaa == Signs and symptoms == 8571130aaa Elevated LDL is an established causal factor for the development of... 8571130aaa WAS occurs most often in males due to its X-linked recessive pattern of inheritance, affecting between 1 and 10 males per million. The first signs are usually petechiae and bruising, resulting from a low platelet count (i.e. thrombocytopenia). Spontaneous nose bleeds and bloody diarrhea are also common and eczema typically develops within the first month of life. Recurrent bacterial infections typically develop by three months of age. The majority of children with WAS develop at least one autoimmune disorder, and cancers (mainly lymphoma and leukemia) develop in up to a third of patients. Immunoglobulin M (IgM) levels are reduced... 8571130aaa Although there are no alarming symptoms... 8571130aaa Gestational thrombocytopenia is a disorder similar to immune thrombocytopenia (ITP) and is difficult to differentiate between the two disorders. Therefore, a medical history is conducted to because a diagnostic test is unavailable. 8571130aaa

Low-density lipoprotein These groups, from least dense to most dense, are chylomicrons (aka ULDL by the overall density naming convention), very low-density lipoprotein (VLDL), Low-density lipoprotein (LDL) is one of the five major groups of lipoprotein that transport all fat molecules around the body in extracellular water. These groups, from least dense to most dense, are chylomicrons (aka ULDL by the overall density naming convention), very low-density lipoprotein (VLDL), intermediate-density lipoprotein (IDL), low-density lipoprotein (LDL) and high-density lipoprotein (HDL). LDL delivers fat molecules to cells 8571130aaa

Diagnosis is typically confirmed through blood tests. Managing VWD includes the use of desmopressin after minor trauma or before surgery, which allows the body to release more VWF. The disease is named after the Finnish physician Erik Adolf von Willebrand, who first described the condition in 1926. 8571130aaa

Thrombocytopenia Low levels of platelets in turn may lead to prolonged or excessive bleeding. It is the most common coagulation disorder among intensive care patients and is seen in a fifth of medical patients and a third of surgical patients. characterized by abnormally low levels of platelets (also known as thrombocytes) in the blood. Low levels of platelets in turn may lead to prolonged or excessive In hematology, thrombocytopenia is a condition characterized by abnormally low levels of platelets (also known as thrombocytes) in the blood 8571130aaa

Thrombocytopenia affects approximately 7-10% of pregnant women and of the 7-10%, within that population; approximately 70-80% have gestational thrombocytopenia 8571130aaa == Signs and symptoms == 8571130aaa

Complete blood count The CBC indicates the counts of white blood cells, red blood cells and platelets, the concentration of hemoglobin, and the hematocrit (the volume percentage of red blood cells). The red blood cell indices, which indicate the average size and hemoglobin content of red blood cells, are also reported, and a white blood cell differential, which counts the different types of white blood cells, may be included. debris, which are similar in size to platelets, may interfere with the platelet count, and large platelets may not be counted accurately, so some analyzers A complete blood count (CBC), also known as a full blood count (FBC) or full haemogram (FHG), is a set of medical laboratory tests that provide information about the cells in a person's blood 8571130aaa

Lipoproteins transfer lipids (fats) around the body in the extracellular fluid, making fats available to body cells for receptor-mediated endocytosis. Lipoproteins are complex particles composed of multiple proteins, typically 80-100 proteins per particle (organized by a single apolipoprotein B for LDL and the larger particles). A single LDL particle is about 22-27.5 nanometers in diameter, typically transporting 3,000 to 6,000 fat molecules per particle and varying in size according to the number and mix of fat molecules contained within. The lipids carried include all fat molecules with cholesterol, phospholipids, and triglycerides dominant; amounts of each vary considerably. 8571130aaa

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